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04 2003

TECHNOLOGY CENTER 1600/2900

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09 1674,496B
Source: O1PE
Date Processed by STIC: 2/12/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

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TECH CENTER
1600/2000

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> 09 1674,496 1600/2000
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input checked="" type="checkbox"/> Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (ii) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

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Does Not Comply
Corrected Diskette Needed

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/674,496B

DATE: 02/12/2003
TIME: 12:35:24

Input Set : A:\199463USOXPCT.ST25.txt
Output Set: N:\CRF4\02122003\I674496B.raw

3 <110> APPLICANT: BERNARD, DELOBEL
4 ANNIE, GRENIER
5 JACQUES, GUEGEN
6 ERIC, FERRASSON
7 MBAIGUINAM, MBAILAO
9 <120> TITLE OF INVENTION: USE OF POLYPEPTIDE DERIVED FROM A PA 1B LEGUME ALBUMEN AS
INSECTICIDE
11 <130> FILE REFERENCE: 199463USOXPCT
13 <140> CURRENT APPLICATION NUMBER: US 09/674,496B
C--> 14 <141> CURRENT FILING DATE: 2003-02-06
16 <150> PRIOR APPLICATION NUMBER: PCT/FR99/01085
17 <151> PRIOR FILING DATE: 1999-05-07
19 <150> PRIOR APPLICATION NUMBER: FR 98/05877
20 <151> PRIOR FILING DATE: 1998-05-11
22 <160> NUMBER OF SEQ ID NOS: 8
24 <170> SOFTWARE: PatentIn version 3.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 13
28 <212> TYPE: PRT
29 <213> ORGANISM: ARTIFICIAL SEQUENCE
31 <220> FEATURE:
32 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE, RESIDUES 1, 3, 5, 7, 9, 11, AND 13 MAY BE

A MA

33 XIMUM OF 10, 5, 10, 10, 4, 15, AND 10 AMINO ACIDS, RESPECTIVELY,
34 AND SOME OF THESE AMINO ACIDS MAY BE MISSING.

36 <220> FEATURE:
37 <221> NAME/KEY: MISC_FEATURE
38 <222> LOCATION: (1)..(1)
39 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
42 <220> FEATURE:
43 <221> NAME/KEY: MISC_FEATURE
44 <222> LOCATION: (3)..(3)
45 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
48 <220> FEATURE:
49 <221> NAME/KEY: MISC_FEATURE
50 <222> LOCATION: (5)..(5)
51 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
54 <220> FEATURE:
55 <221> NAME/KEY: MISC_FEATURE
56 <222> LOCATION: (7)..(7)
57 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
60 <220> FEATURE:
61 <221> NAME/KEY: MISC_FEATURE
62 <222> LOCATION: (9)..(9)

Variable length -
see error summary sheet
item 5

63 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID

{

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,496B

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Input Set : A:\199463USOXPCT.ST25.txt
 Output Set: N:\CRF4\02122003\I674496B.raw

66 <220> FEATURE:
 67 <221> NAME/KEY: MISC_FEATURE
 68 <222> LOCATION: (11)..(11)
 69 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
 72 <220> FEATURE:
 73 <221> NAME/KEY: MISC_FEATURE
 74 <222> LOCATION: (13)..(13)
 75 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
 78 <400> SEQUENCE: 1
W--> 80 Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa
 81 1 5 10
 84 <210> SEQ ID NO: 2
 85 <211> LENGTH: 7
 86 <212> TYPE: PRT
 87 <213> ORGANISM: ARTIFICIAL SEQUENCE
 89 <220> FEATURE:
 90 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
 92 <220> FEATURE:
 93 <221> NAME/KEY: MISC_FEATURE
 94 <222> LOCATION: (1)..(1)
 95 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
 threo
 96 nine
 99 <220> FEATURE:
 100 <221> NAME/KEY: MISC_FEATURE
 101 <222> LOCATION: (2)..(2)
 102 <223> OTHER INFORMATION: X is proline
 105 <220> FEATURE:
 106 <221> NAME/KEY: MISC_FEATURE
 107 <222> LOCATION: (6)..(6)
 108 <223> OTHER INFORMATION: X is proline
 111 <220> FEATURE:
 112 <221> NAME/KEY: MISC_FEATURE
 113 <222> LOCATION: (7)..(7)
 114 <223> OTHER INFORMATION: X is proline
 117 <220> FEATURE:
 118 <221> NAME/KEY: MISC_FEATURE
 119 <222> LOCATION: (3)..(3)
 120 <223> OTHER INFORMATION: X is an amino acid chosen from phenylalanine, tryptophan and
 tyro
 121 sine
 124 <220> FEATURE:
 125 <221> NAME/KEY: MISC_FEATURE
 126 <222> LOCATION: (4)..(4)
 127 <223> OTHER INFORMATION: X is an amino acid chosen from aspartic acid or glutamic
 acid
 130 <220> FEATURE:
 131 <221> NAME/KEY: MISC_FEATURE
 132 <222> LOCATION: (5)..(5)
 133 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
 and me
 134 thionine
 137 <400> SEQUENCE: 2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,496B

DATE: 02/12/2003

TIME: 12:35:24

Input Set : A:\199463USOXPCT.ST25.txt
 Output Set: N:\CRF4\02122003\I674496B.raw

W--> 139 Xaa Xaa Xaa Xaa Xaa Xaa Xaa

140 1 5
 143 <210> SEQ ID NO: 3
 144 <211> LENGTH: 4
 145 <212> TYPE: PRT
 146 <213> ORGANISM: ARTIFICIAL SEQUENCE
 148 <220> FEATURE:
 149 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
 151 <220> FEATURE:
 152 <221> NAME/KEY: MISC_FEATURE
 153 <222> LOCATION: (2)..(2)
 154 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and threonine

155 nine
 158 <220> FEATURE:
 159 <221> NAME/KEY: MISC_FEATURE
 160 <222> LOCATION: (4)..(4)
 161 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine, threonine

162 e, aspartic acid and glutamic acid
 165 <220> FEATURE:
 166 <221> NAME/KEY: MISC_FEATURE
 167 <222> LOCATION: (3)..(3)
 168 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine, threonine

169 e and a basic residue
 172 <220> FEATURE:
 173 <221> NAME/KEY: MISC_FEATURE
 174 <222> LOCATION: (1)..(1)
 175 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine, threonine

176 e and a basic residue
 179 <400> SEQUENCE: 3

W--> 181 Xaa Xaa Xaa Xaa

182 1
 185 <210> SEQ ID NO: 4
 186 <211> LENGTH: 9
 187 <212> TYPE: PRT
 188 <213> ORGANISM: ARTIFICIAL SEQUENCE
 190 <220> FEATURE:
 191 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
 193 <220> FEATURE:
 194 <221> NAME/KEY: MISC_FEATURE
 195 <222> LOCATION: (1)..(1)
 196 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine and methionine

197 threonine
 200 <220> FEATURE:
 201 <221> NAME/KEY: MISC_FEATURE
 202 <222> LOCATION: (3)..(3)
 203 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine and methionine

204 threonine

207 <220> FEATURE:
208 <221> NAME/KEY: MISC_FEATURE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/674,496B

DATE: 02/12/2003
TIME: 12:35:24

Input Set : A:\199463USOXPCT.ST25.txt
Output Set: N:\CRF4\02122003\I674496B.raw

209 <222> LOCATION: (2)..(2)
210 <223> OTHER INFORMATION: X is proline
213 <220> FEATURE:
214 <221> NAME/KEY: MISC_FEATURE
215 <222> LOCATION: (4)..(4)
216 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
217 nine
220 <220> FEATURE:
221 <221> NAME/KEY: MISC_FEATURE
222 <222> LOCATION: (8)..(8)
223 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
224 nine
227 <220> FEATURE:
228 <221> NAME/KEY: MISC_FEATURE
229 <222> LOCATION: (6)..(6)
230 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine,
methi
231 onine, phenylalanine, tryptophan and tyrosine
234 <220> FEATURE:
235 <221> NAME/KEY: MISC_FEATURE
236 <222> LOCATION: (9)..(9)
237 <223> OTHER INFORMATION: X is an amino acid chosen from phenylalanine, tryptophan and
tyro
238 sine
241 <220> FEATURE:
242 <221> NAME/KEY: MISC_FEATURE
243 <222> LOCATION: (5)..(5)
244 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
and me
245 thionine
248 <220> FEATURE:
249 <221> NAME/KEY: MISC_FEATURE
250 <222> LOCATION: (7)..(7)
251 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
and me
252 thionine
255 <400> SEQUENCE: 4
W--> 257 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
258 1 5
261 <210> SEQ ID NO: 5
262 <211> LENGTH: 5
263 <212> TYPE: PRT
264 <213> ORGANISM: ARTIFICIAL SEQUENCE
266 <220> FEATURE:
267 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
269 <220> FEATURE:
270 <221> NAME/KEY: MISC_FEATURE
271 <222> LOCATION: (1)..(1)
272 <223> OTHER INFORMATION: X is a basic amino acid or an amino acid chosen from valine,
leuc
273 ine, isoleucine and methionine

276 <220> FEATURE:
277 <221> NAME/KEY: MISC_FEATURE
278 <222> LOCATION: (2)..(2)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/674,496B

DATE: 02/12/2003
TIME: 12:35:24

Input Set : A:\199463USOXPCT.ST25.txt
Output Set: N:\CRF4\02122003\I674496B.raw

279 <223> OTHER INFORMATION: X is asparagine or glutamine or a basic amino acid
 282 <220> FEATURE:
 283 <221> NAME/KEY: MISC_FEATURE
 284 <222> LOCATION: (3)..(3)
 285 <223> OTHER INFORMATION: X is proline
 288 <220> FEATURE:
 289 <221> NAME/KEY: MISC_FEATURE
 290 <222> LOCATION: (4)..(4)
 291 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
 threo
 292 nine
 295 <220> FEATURE:
 296 <221> NAME/KEY: MISC_FEATURE
 297 <222> LOCATION: (5)..(5)
 298 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
 threo
 299 nine
 302 <400> SEQUENCE: 5
W--> 304 Xaa Xaa Xaa Xaa Xaa
 305 1 5
 308 <210> SEQ ID NO: 6
 309 <211> LENGTH: 37
 310 <212> TYPE: PRT
 311 <213> ORGANISM: ARTIFICIAL SEQUENCE
 313 <220> FEATURE:
 314 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
 316 <400> SEQUENCE: 6
 318 Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
 319 1 5 10 15
 322 Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Ile Gly Tyr Cys
 323 20 25 30
 326 Arg Asn Pro Ser Gly
 327 35
 330 <210> SEQ ID NO: 7
 331 <211> LENGTH: 37
 332 <212> TYPE: PRT
 333 <213> ORGANISM: ARTIFICIAL SEQUENCE
 335 <220> FEATURE:
 336 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
 338 <400> SEQUENCE: 7
 340 Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
 341 1 5 10 15
 344 Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Val Gly Tyr Cys
 345 20 25 30
 348 Arg Asn Pro Ser Gly
 349 35
 352 <210> SEQ ID NO: 8
 353 <211> LENGTH: 37
 354 <212> TYPE: PRT
 355 <213> ORGANISM: ARTIFICIAL SEQUENCE
 357 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/12/2003
PATENT APPLICATION: US/09/674,496B TIME: 12:35:25

Input Set : A:\199463USOXPCT.ST25.txt
Output Set: N:\CRF4\02122003\I674496B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,3,5,7,9,11,13
Seq#:2; Xaa Pos. 1,2,3,4,5,6,7
Seq#:3; Xaa Pos. 1,2,3,4
Seq#:4; Xaa Pos. 1,2,3,4,5,6,7,8,9
Seq#:5; Xaa Pos. 1,2,3,4,5

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/674,496B

DATE: 02/12/2003
TIME: 12:35:25

Input Set : A:\199463USOXPCT.ST25.txt
Output Set: N:\CRF4\02122003\I674496B.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0